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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 0 1 Applicant:

Madison et al.

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09/776,191

Filed:

February 2, 2001

For:

NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS

**BASED THEREON** 

Art Unit:

1614

Examiner:

Unassigned

TRANSMITTAL LETTER

Commissioner for Patents Washington, D.C. 20231

Sir:

Transmitted herewith is an Information Disclosure Statement, Forms PTO-1449 (15 pages), and the cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

(X)

The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,

HELLER EHRMAN WHITE & MCAULIFFE LLP

Bv:

Stephanie L. Seidman Registration No. 33,779

Dated: September 6, 2001

Attorney Docket No.: 24745-1607

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SEP 0 7 2001 (S) IN SHE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant ADEM Madison et al.

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### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Since this Supplemental Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. The Forms PTO-1449 (15 pages) and cited reference are provided herewith.

RECEIVED 72901 TECH CENTER 1600/2901 U.S.S.N. 09/776,191 MADISON, et al. Supplemental IDS

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing reference and it be made of record in the file history of the above-captioned application.

Respectfully submitted,

HELLER EHRMAN WHITE & MCAULIFFE LLP

By: \_\_\_\_\_ Stephanie L. Seidman Registration No. 33,779

Dated: September 6, 2001

Attorney Docket No. 24745-1607

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LIST OF PATERIES PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

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	АВ	3	5	9	8	1	2	3	08/10/71	Zaffaroni	128	268	04/01/69
_	AC	3	6	3	0	2	0	0	12/28/71	Higuchi	128	260	06/09/69
	AD	3	8	4	3	4	4	3	10/22/74	Fishman	195	63	03/30/73
	AE	3	8	4	5	7	7	0	11/05/74	Theeuwes et al.	128	260	06/05/72
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	AS	5	1	2	0	5	4	8	06/09/92	McClelland et al.	424	473	11/07/89
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	AW	5	5	9	1	7	6	7	01/07/97	Mohr et al.	514	413	06/06/95

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FORM PTO-1449 (Modified) SEP 0 7 2001

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ATTY.	DOCKET	NO.
24745	-1607	

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	AX	5	5	9	3	9	9	0	01/14/97	D'Amato	514	235.2	01/13/95
	AY	5	6	2	9	3	2	7	05/13/97	D'Amato	514	323	12/15/93
	ΑZ	5	6	3	9	4	7	6	06/17/97	Oshlack <i>et al.</i>	424	468	06/02/95
	ВА	5	6	7	4	5	3	3	10/07/97	Santus <i>et al.</i>	424	493	05/26/95
	BB	5	7	1	2	2	9	1	01/27/98	D'Amato	514	323	06/06/95
	вс	5	7	3	3	5	6	6	03/31/98	Lewis	424	426	10/30/95
	BD	5	9	0	2	7	2	3	05/11/99	Dower et al.	435	6	07/12/96
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 ВІ	8	6	0	3	8	4	0	03/07/86	РСТ				
 BJ	9	2	0	6	1	8	0	16/04/92	РСТ				
 вк	9	3	2	5	2	2	1	23/12/93	PCT				
BL	9	4	1	7	7	8	4	18/08/94	PCT				
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DD	Erickson <i>et al.</i> , Book: <u>The Proteins</u> , "Solid-Phase Peptide Synthesis", Volume II, Neurath H., Hill, R.L. Eds., Academic Press, New York, p.p. 255-257 (1976)
DE	Felici, F., "Selection of Antibody Ligands from a Large Library of Oligopeptides Expressed on a Multivalent Exposition Vector", <i>J. Mol. Biol.</i> , <u>222</u> :301-310 (1991)
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ATTY. DOCKET NO. 24745-1607

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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DH	Gallop <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries", <i>J. Med. Chem.</i> , 37(9):1233-1251 (1994)
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DQ	Grosschedl et al., "Introduction of a $\mu$ Immunoglobulin Gene into the Mouse Germ Line: Specific Expression in Lymphoid Cells and Synthesis of Functional Antibody", Cell, 38:647-658 (1984)
DR	Hamdaoui <i>et al.</i> , "Purification of a Novel, Heat-Stable Serine Protease Inhibitor Protein from Ovaries of the Desert Locust, <i>Schistocerca gregaria</i> ", <i>Biochem. Biophys. Res. Commun.</i> , 238(2):357-360 (1997)
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ATTY. DOCKET NO. SERIA 24745-1607 09/7

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FILING DATE February 2, 2001	GROUP 1614

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

IB	York <i>et al.</i> , "Combinatorial Mutagenesis of the Reactive Site Region in Plasminogen Activator Inhibitor I", <i>J. Biol. Chem.</i> , <u>266(13)</u> :8595-8600 (1991)
IC	Zebedee <i>et al.</i> , "Human Combinatorial Antibody Libraries to Hepatitis B Surface Antigen", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>89</u> :3175-3179 (1992)
ID	Ziegler, J., "Angiogenesis Research Enjoys Growth Spurt in the 1990s", <i>J. Nat'l Cancer Institute</i> , 88(12):786-788 (1996)
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IF	Zuckermann <i>et al.</i> , "Identification of Highest-Affinity Ligands by Affinity Selection from Equimolar Peptide Mixtures Generated by Robotic Synthesis", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 89:4505-4509 (1992)

**EXAMINER** 

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS BASED THEREON